Abstract

A manually controlled sensor for authenticity identification of luminescent identification features on documents is described, in which the identification feature is illuminated with an excitation wavelength and may respond at a different wavelength, with the response wavelength being detected and evaluated by a radiation receiver. In order to improve the sensitivity and to comply with the safety at work regulations, a focused beam (31, 32), which is emitted from a beam source (1), is converted by focusing optics (2, 3) in such a manner that a scanning bar (22), which is approximately in the form of a line, is projected on the surface of the object (5) to be investigated, which causes the identification region (21) which is arranged on the object (5) to fluoresce in a luminescent manner in at least one subregion, and the luminescence signal produced in this way is passed via detection optics (9, 9', 10) to an evaluation unit (11), which evaluates the luminescence signal. The sensor is intended to be classified in laser class 3A.